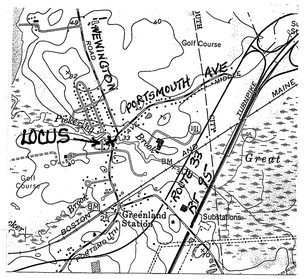
LOCUS MAP

NOT TO SCALE



SOIL CLASS: 460 PENNICHUK

(SOURCE: USDA–SCS SOIL SURVEY)

BENCH MARKS: DATUM = ASSUMED

#1	SET HUB EL 50.00
#2	BOTTOM TRIM @ COR HSE EL 51.91
#3	TOP IRON PIPE ELEV 56.27

DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 48.3 WHICH IS APPROX 3.5' BELOW ORIGINAL GROUND ON THE HIGH CONTOUR OF DESIGNED EDS. (EL 51.8)

SUITABLE REPLACEMENT AREA:

SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

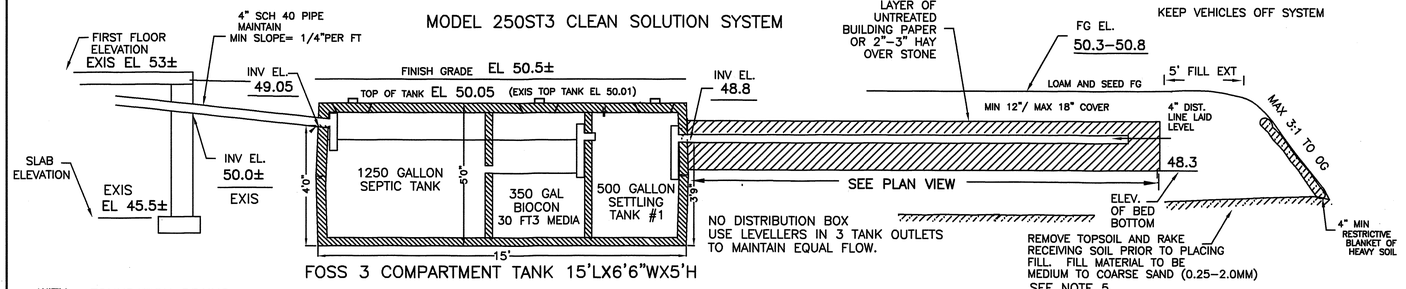
LEGEND:

50 (50)	EXISTING CONTOUR / PROPOSED CONTOUR
50.0	EXISTING SPOT ELEVATION
(50.0)	PROPOSED SPOT ELEVATION

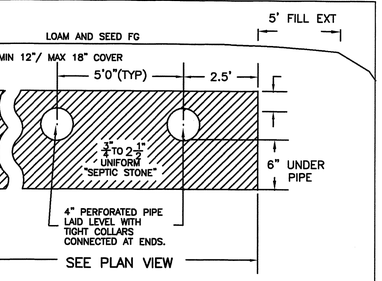
NOTES:

1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE: RCRD PLAN # 02199 (1954)
2. NHDES–WS&PCD SUBDIVISION APPROVAL NUMBER: N/A LOT CREATED 1954
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL WASTE.
4. NO SURFACE WATER OR WELL WITHIN 75' OF PROPOSED SYSTEM.
5. LOCATION OF LEACH FIELD OR OTHER COMPONENTS UNKNOWN. ALL EXISTING SYSTEM COMPONENTS AND ASSOCIATED ORGANIC MATERIAL TO BE REMOVED TO MINIMUM 5' FROM PROPOSED DISPERSAL FIELD. REPLACE WITH MEDIUM TO COARSE SAND.
6. CARE MUST BE TAKEN TO PRESERVE EXISTING SURFACE RUNOFF PATTERN DURING AND AFTER INSTALLATION.

PLOT PLAN 1" = APPROX _____


MODEL 250ST3 CLEAN SOLUTION SYSTEM
FIRST FLOOR ELEVATION EXIS EL 53±
4" SCH 40 PIPE MAINTAIN MIN SLOPE= 1/4"PER FT
INV EL. 49.05
FINISH GRADE EL 50.5±
TOP OF TANK EL 50.05 (EXIS TOP TANK EL 50.01)
INV EL. 48.8
SLAB ELEVATION
EXIS EL 45.5±
INV EL. 50.0± EXIS
1250 GALLON SEPTIC TANK
350 GAL BIOCON 30 FT3 MEDIA
500 GALLON SETTLING TANK #1
4'0"
5'0"
3'9"
15'
FOSS 3 COMPARTMENT TANK 15'LX6'6"WX5'H
WITH FOUNDATION DRAINS
USE NON–SHRINK MORTAR SEALANT OR APPROVED EQUAL
NO DISTRIBUTION BOX
USE LEVELLERS IN 3 TANK OUTLETS TO MAINTAIN EQUAL FLOW.
LAYER OF UNTREATED BUILDING PAPER OR 2"–3" HAY OVER STONE
FG EL. 50.3–50.8
KEEP VEHICLES OFF SYSTEM
LOAM AND SEED FG
5' FILL EXT
MIN 12"/ MAX 18" COVER
4" DIST. LINE LAID LEVEL
MAX 3:1 TO OG
48.3
SEE PLAN VIEW
ELEV. OF BED BOTTOM
4" MIN RESTRICTIVE BLANKET OF HEAVY SOIL
REMOVE TOPSOIL AND RAKE RECEIVING SOIL PRIOR TO PLACING FILL. FILL MATERIAL TO BE MEDIUM TO COARSE SAND (0.25–2.0MM)
SEE NOTE 5

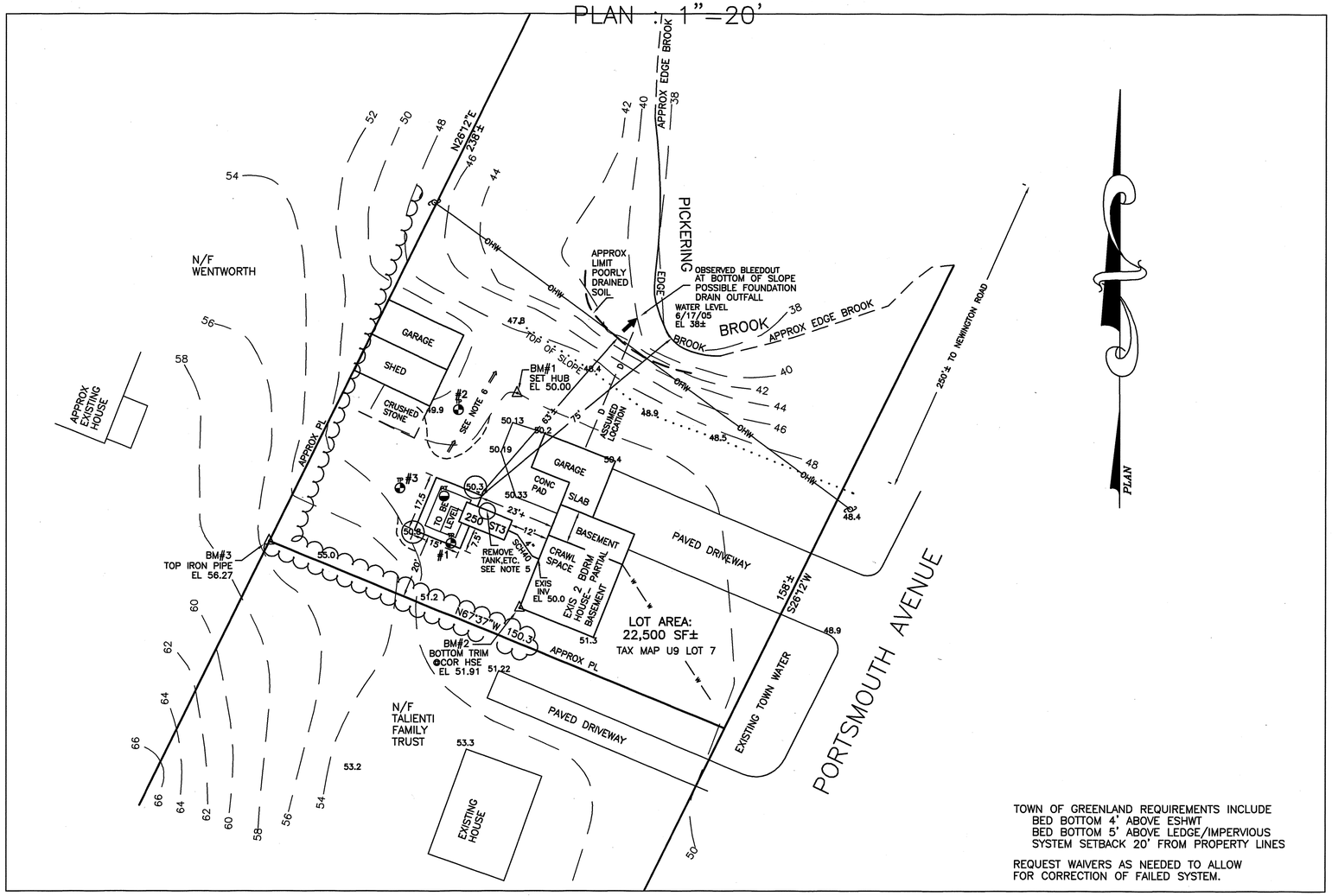
CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE


LOAM AND SEED FG
5' FILL EXT
MIN 12"/ MAX 18" COVER
5'0"(TYP)
2.5'
3/4" TO 2 1/2" UNIFORM "SEPTIC STONE"
6" UNDER PIPE
4" PERFORATED PIPE LAID LEVEL WITH TIGHT COLLARS CONNECTED AT ENDS.
SEE PLAN VIEW

ALL SPECIFICATIONS AND RESPONSIBILITIES OUTLINED IN THE CLEAN SOLUTION MANUAL ARE A PART OF THIS DESIGN. MAINTENANCE CONTRACT MUST BE EXECUTED PRIOR TO INSTALLATION.

WASTEWATER ALTERNATIVES, INC,
TECHNOLOGY DEVELOPED BY:
HAROLD DAVIS
37 CHAMPNEY STREET
GROTON, MA 01450
978 448–2415

PLAN : 1"=20'



TOWN OF GREENLAND REQUIREMENTS INCLUDE
BED BOTTOM 4' ABOVE ESHWT
BED BOTTOM 5' ABOVE LEDGE/IMPERVIOUS
SYSTEM SETBACK 20' FROM PROPERTY LINES

REQUEST WAIVERS AS NEEDED TO ALLOW FOR CORRECTION OF FAILED SYSTEM.

TP TEST PIT DATA

DATE: JUNE 7, 2005 TOWN INSPECTOR: BOB CUSHMAN

TEST PIT #1 ELEV 50.8

0 – 6" 10YR4/4 FINE SANDY LOAM, GRANULAR FRIABLE
6 –84" 2.5Y4/4 GRAVEL AND SILTY FINE SANDY LOAM, MASSIVE, FIRM IN PLACE, FRIABLE WHEN REMOVED

ESHWT @ 6'+ (MOIST), NO OBS H2O, NO REFUSAL
ROOTS TO 3'+

TEST PIT #2 ELEV 49.8

0 –24" 10YR3/3 FINE SANDY LOAM, GRANULAR FRIABLE
24–72" 2.5Y4/4 SILTY FINE SANDY LOAM AND SILT LOAM, MASSIVE FIRM, POSSIBLE OLD FILL

ESHWT @ 24", NO REFUSAL TO 72", ROOTS TO 4'+

TEST PIT #3 ELEV 51.5

0 – 8" 10YR4/4 FINE SANDY LOAM, GRANULAR FRIABLE
8 –84" 2.5Y4/4 GRAVELLY SILTY FINE SANDY LOAM, FIRM IN PLACE, FRIABLE WHEN REMOVED

NO CLEAR EVIDENCE OF ESHWT, NO OBS H20, NO REFUSAL, ROOTS TO 3'+

PT PERC TEST DATA

6/7/05 ESTIMATED PERC RATE: 10–15 MIN/IN @24" DEPTH

DESIGN LOADING: EXISTING 2 BEDROOM HOUSE

AREA REQUIRED: 75 SF PER WWAI SPECIFICATIONS

AREA PROPOSED: 240 SF PROVIDED

PROPOSED REPLACEMENT

SEPTIC SYSTEM PLAN

EXISTING FAILED SYSTEM

LOCUS: 170 PORTSMOUTH AVENUE
GREENLAND, NH

OWNER: WILLIAM CHAPLINE
170 PORTSMOUTH AVENUE
GREENLAND, NH 03840

NEW HAMPSHIRE Designer of Subsurface Disposal Systems Ann W. Bialobrzeski No. 348 Water Supply & Pollution Control

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03843–1306

DATE: JULY 28, 2005

APPROVAL: CA2005074334

SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS

MAINTENANCE CONTRACT SUBMITTED WITH THIS PLAN FOR APPROVAL.

ENV–WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.

ENV–WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.

ENV–WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.

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